

ABSTRACT

A laminated coil component that has a high relative inductance (L) is provided while a reduction in size and thickness is achieved. The reduction in insulating resistance between via-holes of the laminated coil component is prevented. A manufacturing process of the laminated coil component is also provided.

The laminated coil component 1 includes a coil conductor 4 composed of a plurality of strip electrodes 2 and via-holes 3 inside an approximately rectangular parallelepiped ceramic laminate 5. The via-holes 3 connect the ends of the strip electrodes 2. The axis of the coil conductor 4 corresponds with the width direction Z of the ceramic laminate 5 orthogonal to both the laminated direction (thickness direction) X and the longitudinal direction Y of the ceramic laminate 5. The manufacturing process includes the steps of laminating ceramic green sheets 7 having the strip electrodes 2 and/or the via-holes 3 and the ceramic green sheets 7 having printed conductive patterns constituting external electrodes 6, and press-bonding and firing them.